

## **Abstract**

There is disclosed a coating material formulation for layering a plurality of electrodes to provide a substrate for the electrochemical synthesis of organic oligomers. Specifically, there is disclosed a coating layer of from about 0.5 to about 100 microns thick and is composed of a  
5 mixture of controlled porosity glass (CPG) particles having an average particle size of from about 0.25 to about 25 microns, and a thickening agent.